

West Central Wisconsin Projections, 2005-2007
Detailed Occupational Trends

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
00-0000	Total, All Occupations	176,910	180,600	3,690	2.09%	1,850	4,560	6,410		\$32,266	\$8.04	\$19.25
11-0000	Management Occupations	6,170	6,310	140	2.27%	70	100	170		\$74,714	\$18.55	\$44.61
11-1011	Chief Executives	230	240	10	4.35%	10	<5	10	Bachelor's or higher degree, plus work exp	\$121,110	\$34.08	\$70.30
11-1021	General and Operations Managers	1,740	1,790	50	2.87%	30	30	60	Bachelor's or higher degree, plus work exp	\$86,177	\$21.96	\$51.17
11-1031	Legislators	*	*	*	*	<5	10	10	Bachelor's or higher degree, plus work exp	\$24,607	\$5.90	\$14.80
11-2011	Advertising and Promotions Managers	30	40	10	33.33%	10	<5	10	Bachelor's or higher degree, plus work exp	\$83,619	\$22.33	\$49.14
11-2021	Marketing Managers	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$83,371	\$27.51	\$46.37
11-2022	Sales Managers	260	270	10	3.85%	10	10	20	Bachelor's or higher degree, plus work exp	\$72,893	\$19.03	\$43.05
11-2031	Public Relations Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$53,052	\$16.11	\$30.20
11-3011	Administrative Services Managers	160	160	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$66,882	\$21.48	\$37.49
11-3021	Computer and Information Systems Managers	200	210	10	5.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$85,603	\$30.16	\$46.65
11-3031	Financial Managers	320	320	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$82,705	\$25.48	\$46.90
11-3041	Compensation and Benefits Managers	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$64,760	\$20.34	\$36.53
11-3042	Training and Development Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$64,185	\$21.21	\$35.68
11-3049	Human Resources Managers, All Other	40	50	10	25.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$81,338	\$23.71	\$46.80
11-3051	Industrial Production Managers	310	310	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$77,931	\$23.37	\$44.52
11-3061	Purchasing Managers	90	90	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$74,399	\$23.75	\$41.78
11-3071	Transportation, Storage, and Distribution Managers	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$68,105	\$22.51	\$37.86
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9021	Construction Managers	120	130	10	8.33%	10	<5	10	Bachelor's degree	\$74,228	\$21.98	\$42.54
11-9031	Education Administrators, Preschool and Child Care Center/Program	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9032	Education Administrators, Elementary and Secondary School	260	270	10	3.85%	10	10	20	Bachelor's or higher degree, plus work exp	\$75,323		
11-9033	Education Administrators, Postsecondary	210	220	10	4.76%	10	10	20	Bachelor's or higher degree, plus work exp	\$63,528	\$20.56	\$35.53
11-9039	Education Administrators, All Other	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
11-9041	Engineering Managers	250	250	0	0.00%	<5	10	10	Bachelor's or higher degree, plus work exp	\$98,719	\$31.37	\$55.51
11-9051	Food Service Managers	250	250	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,188	\$10.59	\$19.36
11-9061	Funeral Directors	*	*	*	*	<5	<5	<5	Associate degree	\$55,804	\$22.72	\$28.88
11-9071	Gaming Managers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
11-9081	Lodging Managers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$34,114	\$13.24	\$17.98
11-9111	Medical and Health Services Managers	280	290	10	3.57%	10	10	20	Bachelor's or higher degree, plus work exp	\$69,473	\$25.61	\$37.30
11-9121	Natural Sciences Managers	20	20	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$81,359	\$33.17	\$42.09
11-9131	Postmasters and Mail Superintendents	50	50	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$55,451	\$22.63	\$28.67
11-9141	Property, Real Estate, and Community Association Managers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$77,704	\$21.10	\$45.49
11-9151	Social and Community Service Managers	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,166	\$15.34	\$27.06
11-9199	Managers, All Other	320	330	10	3.13%	10	10	20	Work experience in a related occupation	\$83,817	\$26.77	\$47.06
13-0000	Business and Financial Operations Occupations	5,650	5,820	170	3.01%	90	90	180		\$48,430	\$13.84	\$28.01
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation	\$39,765	\$16.94	\$20.21
13-1022	Wholesale and Retail Buyers, Except Farm Products	130	140	10	7.69%	10	<5	10	Bachelor's degree	\$38,900	\$13.78	\$21.16
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	470	480	10	2.13%	10	10	20	Bachelor's degree	\$46,456	\$13.79	\$26.61
13-1031	Claims Adjusters, Examiners, and Investigators	180	190	10	5.56%	10	<5	10	Long-term on-the-job training	\$43,929	\$13.99	\$24.68
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	120	120	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$42,674	\$13.55	\$24.00
13-1051	Cost Estimators	310	330	20	6.45%	10	10	20	Bachelor's degree	\$50,201	\$16.16	\$28.12
13-1061	Emergency Management Specialists	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,230	\$19.91	\$25.55
13-1071	Employment, Recruitment, and Placement Specialists	170	180	10	5.88%	10	<5	10	Bachelor's degree	\$40,925	\$13.45	\$22.79
13-1072	Compensation, Benefits, and Job Analysis Specialists	100	100	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,626	\$14.63	\$27.75
13-1073	Training and Development Specialists	200	210	10	5.00%	10	<5	10	Bachelor's degree	\$43,604	\$13.92	\$24.49
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	350	360	10	2.86%	10	10	20	Bachelor's degree	\$30,110	\$6.12	\$18.65
13-1081	Logisticians	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,141	\$20.49	\$30.24
13-1111	Management Analysts	250	270	20	8.00%	10	<5	10	Bachelor's or higher degree, plus work exp	\$60,371	\$18.57	\$34.25
13-1121	Meeting and Convention Planners	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,013	\$12.59	\$21.84
13-1199	Business Operations Specialists, All Other	1,050	1,100	50	4.76%	30	20	50	Bachelor's degree	\$49,960	\$13.23	\$29.42
13-2011	Accountants and Auditors	1,100	1,140	40	3.64%	20	20	40	Bachelor's degree	\$54,597	\$18.19	\$30.28
13-2021	Appraisers and Assessors of Real Estate	70	80	10	14.29%	10	<5	10	Postsecondary vocational training	\$61,883	\$17.86	\$35.70
13-2031	Budget Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree			
13-2041	Credit Analysts	60	50	-10	-16.67%	<5	<5	<5	Bachelor's degree	\$41,814	\$14.72	\$22.80
13-2051	Financial Analysts	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$59,271	\$17.83	\$33.83
13-2052	Personal Financial Advisors	80	90	10	12.50%	10	<5	10	Bachelor's degree	\$65,405	\$12.59	\$40.87
13-2053	Insurance Underwriters	90	90	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,333	\$14.82	\$27.45
13-2061	Financial Examiners	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$77,258	\$23.62	\$43.91
13-2071	Loan Counselors	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
13-2072	Loan Officers	410	400	-10	-2.44%	<5	10	10	Bachelor's degree	\$46,852	\$14.69	\$26.44
13-2081	Tax Examiners, Collectors, and Revenue Agents	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$64,390	\$21.60	\$35.64
13-2082	Tax Preparers	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$25,416	\$5.92	\$15.37
13-2099	Financial Specialists, All Other	*	*	*	*	10	<5	10	Bachelor's degree	\$43,353	\$17.47	\$22.53
15-0000	Computer and Mathematical Occupations	2,120	2,200	80	3.77%	40	20	60		\$54,277	\$16.17	\$31.06
15-1011	Computer and Information Scientists, Research	30	30	0	0.00%	<5	<5	<5	Doctoral degree	\$78,053	\$21.47	\$45.55
15-1021	Computer Programmers	230	230	0	0.00%	<5	10	10	Bachelor's degree	\$50,990	\$18.13	\$27.71
15-1031	Computer Software Engineers, Applications	260	280	20	7.69%	10	<5	10	Bachelor's degree	\$77,133	\$21.11	\$45.07
15-1032	Computer Software Engineers, Systems Software	*	*	*	*	10	<5	10	Bachelor's degree	\$73,246	\$25.71	\$39.96
15-1041	Computer Support Specialists	420	430	10	2.38%	10	10	20	Associate degree	\$37,802	\$14.09	\$20.22
15-1051	Computer Systems Analysts	460	480	20	4.35%	10	10	20	Bachelor's degree	\$57,019	\$17.70	\$32.27
15-1061	Database Administrators	70	80	10	14.29%	10	<5	10	Bachelor's degree	\$58,817	\$21.93	\$31.45
15-1071	Network and Computer Systems Administrators	250	260	10	4.00%	10	<5	10	Bachelor's degree	\$53,606	\$16.08	\$30.62
15-1081	Network Systems and Data Communications Analysts	150	160	10	6.67%	10	<5	10	Bachelor's degree	\$46,157	\$14.76	\$25.90
15-1099	Computer Specialists, All Other	70	80	10	14.29%	10	<5	10	Associate degree	\$46,495	\$12.60	\$27.23
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
15-2021	Mathematicians	0	0	0	NA	<5	<5	<5	Doctoral degree			
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree			
15-2041	Statisticians	10	10	0	0.00%	<5	<5	<5	Master's degree			
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	<5	<5	<5	Master's degree			
17-0000	Architecture and Engineering Occupations	3,040	3,110	70	2.30%	40	70	110		\$55,024	\$16.79	\$31.29
17-1011	Architects, Except Landscape and Naval	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$61,800	\$20.85	\$34.14
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1021	Cartographers and Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-1022	Surveyors	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$38,849	\$12.77	\$21.63
17-2011	Aerospace Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2021	Agricultural Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-2031	Biomedical Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree	\$52,851	\$21.00	\$27.62
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree			

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17-2051	Civil Engineers	200	200	0	0.00%	<5	<5	<5	Bachelor's degree	\$56,725	\$20.56	\$30.63
17-2061	Computer Hardware Engineers	*	*	*	*	10	<5	10	Bachelor's degree	\$62,451	\$19.94	\$35.07
17-2071	Electrical Engineers	290	300	10	3.45%	10	10	20	Bachelor's degree	\$79,901	\$28.28	\$43.48
17-2072	Electronics Engineers, Except Computer	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$69,518	\$22.74	\$38.76
17-2081	Environmental Engineers	50	60	10	20.00%	10	<5	10	Bachelor's degree	\$76,150	\$26.90	\$41.46
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	10	20	10	100.00%	10	<5	10	Bachelor's degree	\$62,283	\$21.20	\$34.32
17-2112	Industrial Engineers	320	330	10	3.13%	10	10	20	Bachelor's degree	\$61,059	\$22.27	\$32.90
17-2131	Materials Engineers	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$60,736	\$23.09	\$32.25
17-2141	Mechanical Engineers	*	*	*	*	10	10	20	Bachelor's degree	\$68,404	\$22.46	\$38.10
17-2161	Nuclear Engineers	0	0	0	NA	<5	<5	<5	Bachelor's degree			
17-2199	Engineers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
17-3011	Architectural and Civil Drafters	80	90	10	12.50%	10	<5	10	Postsecondary vocational training	\$44,880	\$17.33	\$23.70
17-3012	Electrical and Electronics Drafters	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$38,231	\$14.81	\$20.16
17-3013	Mechanical Drafters	230	230	0	0.00%	<5	10	10	Postsecondary vocational training	\$37,072	\$13.15	\$20.16
17-3019	Drafters, All Other	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$37,450	\$14.11	\$19.95
17-3021	Aerospace Engineering and Operations Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3022	Civil Engineering Technicians	110	110	0	0.00%	<5	<5	<5	Associate degree	\$40,057	\$14.74	\$21.52
17-3023	Electrical and Electronic Engineering Technicians	300	300	0	0.00%	<5	10	10	Associate degree	\$42,393	\$13.66	\$23.74
17-3024	Electro-Mechanical Technicians	*	*	*	*	<5	<5	<5	Associate degree			
17-3025	Environmental Engineering Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$43,375	\$16.30	\$23.13
17-3026	Industrial Engineering Technicians	100	110	10	10.00%	10	<5	10	Associate degree	\$35,917	\$13.11	\$19.35
17-3027	Mechanical Engineering Technicians	90	90	0	0.00%	<5	<5	<5	Associate degree	\$52,899	\$15.63	\$30.33
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	<5	<5	<5	Associate degree			
17-3031	Surveying and Mapping Technicians	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,876	\$13.95	\$19.62
19-0000	Life, Physical, and Social Science Occupations	1,400	1,430	30	2.14%	20	30	50		\$49,461	\$14.58	\$28.38
19-1011	Animal Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-1012	Food Scientists and Technologists	*	*	*	*	<5	<5	<5	Bachelor's degree	\$36,386	\$12.14	\$20.17
19-1013	Soil and Plant Scientists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,638	\$20.45	\$26.29
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1022	Microbiologists	20	20	0	0.00%	<5	<5	<5	Doctoral degree			
19-1023	Zoologists and Wildlife Biologists	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$43,432	\$18.16	\$22.24
19-1029	Biological Scientists, All Other	*	*	*	*	<5	<5	<5	Doctoral degree			
19-1031	Conservation Scientists	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$53,799	\$20.57	\$28.51
19-1032	Foresters	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$44,455	\$19.30	\$22.41
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree			
19-1042	Medical Scientists, Except Epidemiologists	100	110	10	10.00%	10	<5	10	Doctoral degree	\$63,059	\$20.89	\$35.03
19-1099	Life Scientists, All Other	0	0	0	NA	<5	<5	<5	Bachelor's degree			
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree			
19-2012	Physicists	20	20	0	0.00%	<5	<5	<5	Doctoral degree			
19-2021	Atmospheric and Space Scientists	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
19-2031	Chemists	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$37,462	\$11.68	\$21.18
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-2041	Environmental Scientists and Specialists, Including Health	70	70	0	0.00%	<5	<5	<5	Master's degree	\$50,155	\$20.12	\$26.11
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	<5	<5	<5	Master's degree			
19-2043	Hydrologists	20	20	0	0.00%	<5	<5	<5	Master's degree	\$51,151	\$20.26	\$26.76
19-2099	Physical Scientists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree			
19-3021	Market Research Analysts	210	210	0	0.00%	<5	10	10	Master's degree	\$64,923	\$17.44	\$38.10
19-3022	Survey Researchers	10	10	0	0.00%	<5	<5	<5	Master's degree			
19-3031	Clinical, Counseling, and School Psychologists	150	160	10	6.67%	10	<5	10	Doctoral degree	\$56,361	\$17.63	\$31.83

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19-3039	Psychologists, All Other	*	*	*	*	<5	<5	<5	Master's degree			
19-3041	Sociologists	10	10	0	0.00%	<5	<5	<5	Master's degree			
19-3051	Urban and Regional Planners	40	40	0	0.00%	<5	<5	<5	Master's degree	\$53,553	\$19.83	\$28.71
19-3091	Anthropologists and Archeologists	0	0	0	NA	<5	<5	<5	Master's degree			
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree			
19-3094	Political Scientists	0	0	0	NA	<5	<5	<5	Master's degree			
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	10	<5	10	Master's degree			
19-4011	Agricultural and Food Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4021	Biological Technicians	50	60	10	20.00%	10	<5	10	Associate degree	\$29,055	\$9.82	\$16.04
19-4031	Chemical Technicians	50	50	0	0.00%	<5	<5	<5	Associate degree	\$32,465	\$10.17	\$18.33
19-4041	Geological and Petroleum Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4061	Social Science Research Assistants	*	*	*	*	<5	<5	<5	Associate degree			
19-4091	Environmental Science and Protection Technicians, Including Health	30	30	0	0.00%	<5	<5	<5	Associate degree	\$37,217	\$14.97	\$19.36
19-4092	Forensic Science Technicians	*	*	*	*	<5	<5	<5	Associate degree			
19-4093	Forest and Conservation Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$35,294	\$13.86	\$18.52
19-4099	Life, Physical, and Social Science Technicians, All Other	110	120	10	9.09%	10	<5	10	Associate degree	\$32,965	\$11.05	\$18.25
21-0000	Community and Social Services Occupations	2,810	2,890	80	2.85%	40	50	90		\$38,992	\$12.79	\$21.73
21-1011	Substance Abuse and Behavioral Disorder Counselors	80	90	10	12.50%	10	<5	10	Master's degree	\$38,323	\$13.36	\$20.95
21-1012	Educational, Vocational, and School Counselors	250	250	0	0.00%	<5	10	10	Master's degree	\$41,951	\$13.60	\$23.46
21-1013	Marriage and Family Therapists	30	40	10	33.33%	10	<5	10	Master's degree	\$43,922	\$16.20	\$23.58
21-1014	Mental Health Counselors	70	70	0	0.00%	<5	<5	<5	Master's degree	\$36,898	\$11.89	\$20.67
21-1015	Rehabilitation Counselors	120	120	0	0.00%	<5	<5	<5	Master's degree	\$42,430	\$14.45	\$23.37
21-1019	Counselors, All Other	70	70	0	0.00%	<5	<5	<5	Master's degree	\$36,990	\$11.91	\$20.72
21-1021	Child, Family, and School Social Workers	360	380	20	5.56%	10	10	20	Master's degree	\$42,484	\$14.94	\$23.16
21-1022	Medical and Public Health Social Workers	140	140	0	0.00%	<5	<5	<5	Master's degree	\$39,922	\$15.24	\$21.17
21-1023	Mental Health and Substance Abuse Social Workers	120	120	0	0.00%	<5	<5	<5	Master's degree	\$39,793	\$12.59	\$22.40
21-1029	Social Workers, All Other	80	80	0	0.00%	<5	<5	<5	Master's degree	\$44,015	\$13.07	\$25.21
21-1091	Health Educators	40	40	0	0.00%	<5	<5	<5	Master's degree	\$46,311	\$14.59	\$26.10
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	<5	<5	<5	Bachelor's degree			
21-1093	Social and Human Service Assistants	470	490	20	4.26%	10	10	20	Moderate-term on-the-job training	\$30,876	\$9.77	\$17.38
21-1099	Community and Social Service Specialists, All Other	140	150	10	7.14%	10	<5	10	Bachelor's degree	\$30,184	\$10.32	\$16.61
21-2011	Clergy	540	550	10	1.85%	10	10	20	Master's degree	\$36,953	\$10.82	\$21.24
21-2021	Directors, Religious Activities and Education	*	*	*	*	<5	<5	<5	Bachelor's degree			
21-2099	Religious Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-0000	Legal Occupations	650	660	10	1.54%	10	10	20		\$63,731	\$13.59	\$39.17
23-1011	Lawyers	380	380	0	0.00%	<5	10	10	First professional degree	\$82,495	\$21.05	\$48.96
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
23-2011	Paralegals and Legal Assistants	130	140	10	7.69%	10	<5	10	Associate degree	\$45,225	\$15.39	\$24.92
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree			
23-2093	Title Examiners, Abstractors, and Searchers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$34,897	\$11.89	\$19.22
23-2099	Legal Support Workers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-0000	Education, Training, and Library Occupations	11,130	11,500	370	3.32%	190	220	410		\$39,300	\$10.82	\$22.93
25-1011	Business Teachers, Postsecondary	110	120	10	9.09%	10	<5	10	Doctoral degree	\$64,516		
25-1021	Computer Science Teachers, Postsecondary	30	40	10	33.33%	10	<5	10	Doctoral degree	\$64,540		
25-1022	Mathematical Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			

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25-1031	Architecture Teachers, Postsecondary	0	0	0	NA	<5	<5	<5	Doctoral degree			
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1041	Agricultural Sciences Teachers, Postsecondary	20	20	0	0.00%	<5	<5	<5	Doctoral degree	\$61,749		
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1043	Forestry and Conservation Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	10	<5	10	Doctoral degree			
25-1053	Environmental Science Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1054	Physics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1061	Anthropology and Archeology Teachers, Postsecondary	10	10	0	0.00%	<5	<5	<5	Doctoral degree			
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1063	Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1064	Geography Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1065	Political Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1066	Psychology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1067	Sociology Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1069	Social Sciences Teachers, Postsecondary, All Other	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1071	Health Specialties Teachers, Postsecondary	*	*	*	*	10	10	20	Master's degree			
25-1072	Nursing Instructors and Teachers, Postsecondary	80	80	0	0.00%	<5	<5	<5	Doctoral degree	\$52,110		
25-1081	Education Teachers, Postsecondary	90	100	10	11.11%	10	<5	10	Doctoral degree	\$49,264		
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1112	Law Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1121	Art, Drama, and Music Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1122	Communications Teachers, Postsecondary	50	60	10	20.00%	10	<5	10	Doctoral degree	\$51,614		
25-1123	English Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1125	History Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1191	Graduate Teaching Assistants	*	*	*	*	10	<5	10	Bachelor's degree			
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Doctoral degree			
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	<5	<5	<5	Master's degree			
25-1194	Vocational Education Teachers, Postsecondary	200	210	10	5.00%	10	<5	10	Work experience in a related occupation	\$51,683	\$14.16	\$30.19
25-1199	Postsecondary Teachers, All Other	*	*	*	*	10	10	20	Doctoral degree			
25-2011	Preschool Teachers, Except Special Education	420	450	30	7.14%	20	<5	20	Bachelor's degree	\$21,798	\$7.79	\$11.83
25-2012	Kindergarten Teachers, Except Special Education	210	220	10	4.76%	10	<5	10	Bachelor's degree	\$40,549		
25-2021	Elementary School Teachers, Except Special Education	1,940	2,000	60	3.09%	30	40	70	Bachelor's degree	\$43,398		
25-2022	Middle School Teachers, Except Special and Vocational Education	1,030	1,050	20	1.94%	10	20	30	Bachelor's degree	\$42,518		
25-2023	Vocational Education Teachers, Middle School	40	40	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,074		
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,650	1,690	40	2.42%	20	40	60	Bachelor's degree	\$41,648		

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25-2032	Vocational Education Teachers, Secondary School	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$40,724		
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	230	240	10	4.35%	10	10	20	Bachelor's degree	\$42,366		
25-2042	Special Education Teachers, Middle School	130	130	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,992		
25-2043	Special Education Teachers, Secondary School	190	190	0	0.00%	<5	<5	<5	Bachelor's degree	\$42,265		
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	80	80	0	0.00%	<5	<5	<5	Bachelor's degree	\$50,558	\$16.59	\$28.16
25-3021	Self-Enrichment Education Teachers	220	220	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$24,984	\$8.67	\$13.68
25-3099	Teachers and Instructors, All Other	660	680	20	3.03%	10	10	20	Bachelor's degree	\$26,558	\$10.08	\$14.11
25-4011	Archivists	*	*	*	*	<5	<5	<5	Master's degree			
25-4012	Curators	10	10	0	0.00%	<5	<5	<5	Master's degree			
25-4013	Museum Technicians and Conservators	10	10	0	0.00%	<5	<5	<5	Master's degree			
25-4021	Librarians	210	210	0	0.00%	<5	<5	<5	Master's degree	\$41,968	\$14.64	\$22.94
25-4031	Library Technicians	220	220	0	0.00%	<5	10	10	Postsecondary vocational training	\$24,276	\$8.23	\$13.39
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
25-9021	Farm and Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree			
25-9031	Instructional Coordinators	80	80	0	0.00%	<5	<5	<5	Master's degree	\$55,333	\$18.55	\$30.63
25-9041	Teacher Assistants	1,620	1,670	50	3.09%	30	30	60	Associate degree	\$23,269		
25-9099	Education, Training, and Library Workers, All Other	*	*	*	*	10	<5	10	Bachelor's degree			
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	1,950	1,990	40	2.05%	20	40	60		\$33,885	\$8.74	\$20.06
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-1012	Craft Artists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1014	Multi-Media Artists and Animators	20	20	0	0.00%	<5	<5	<5	Bachelor's degree	\$39,300	\$15.28	\$20.70
27-1019	Artists and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-1021	Commercial and Industrial Designers	60	60	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,207	\$15.77	\$26.88
27-1023	Floral Designers	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,624	\$6.67	\$10.81
27-1024	Graphic Designers	190	190	0	0.00%	<5	<5	<5	Bachelor's degree	\$33,110	\$10.06	\$18.85
27-1025	Interior Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$31,793	\$9.00	\$18.43
27-1026	Merchandise Displayers and Window Trimmers	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,139	\$9.29	\$14.93
27-1029	Designers, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	\$32,167	\$12.52	\$16.94
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training		\$6.59	\$11.91
27-2012	Producers and Directors	40	40	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$39,716	\$13.57	\$21.86
27-2021	Athletes and Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2022	Coaches and Scouts	210	210	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$27,894		
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
27-2041	Music Directors and Composers	50	50	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-2042	Musicians and Singers	120	120	0	0.00%	<5	<5	<5	Long-term on-the-job training			
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3011	Radio and Television Announcers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$28,117	\$8.18	\$16.19
27-3012	Public Address System and Other Announcers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
27-3021	Broadcast News Analysts	*	*	*	*	<5	<5	<5	Bachelor's or higher degree, plus work exp			
27-3022	Reporters and Correspondents	80	80	0	0.00%	<5	<5	<5	Bachelor's or higher degree, plus work exp	\$23,158	\$8.40	\$12.50
27-3031	Public Relations Specialists	210	220	10	4.76%	10	<5	10	Bachelor's degree	\$40,954	\$12.42	\$23.33
27-3041	Editors	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$52,232	\$14.12	\$30.61
27-3042	Technical Writers	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$58,525	\$19.02	\$32.70
27-3043	Writers and Authors	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$35,997	\$8.92	\$21.50
27-3091	Interpreters and Translators	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,678	\$10.90	\$16.67

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27-3099	Media and Communication Workers, All Other	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,181	\$12.29	\$22.11
27-4011	Audio and Video Equipment Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$41,014	\$12.10	\$23.53
27-4012	Broadcast Technicians	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,704	\$7.15	\$17.13
27-4014	Sound Engineering Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
27-4021	Photographers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$24,411	\$9.60	\$12.80
27-4031	Camera Operators, Television, Video, and Motion Picture	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
27-4032	Film and Video Editors	*	*	*	*	10	<5	10	Bachelor's degree			
27-4099	Media and Communication Equipment Workers, All Other	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,760	\$7.15	\$22.22
29-0000	Healthcare Practitioners and Technical Occupations	8,810	9,170	360	4.09%	180	150	330		\$49,793	\$11.44	\$30.19
29-1011	Chiropractors	60	60	0	0.00%	<5	<5	<5	First professional degree	\$86,207	\$13.47	\$55.43
29-1021	Dentists, General	140	150	10	7.14%	10	<5	10	First professional degree	\$167,414		
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	<5	<5	<5	First professional degree			
29-1023	Orthodontists	0	10	10	NA	10	<5	10	First professional degree			
29-1024	Prosthodontists	*	*	*	*	<5	<5	<5	First professional degree			
29-1029	Dentists, All Other Specialists	*	*	*	*	<5	<5	<5	First professional degree			
29-1031	Dietitians and Nutritionists	70	70	0	0.00%	<5	<5	<5	Bachelor's degree	\$45,638	\$17.42	\$24.20
29-1041	Optometrists	30	30	0	0.00%	<5	<5	<5	First professional degree	\$90,393	\$25.86	\$52.26
29-1051	Pharmacists	270	280	10	3.70%	10	10	20	First professional degree	\$88,890	\$30.17	\$49.02
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree			
29-1062	Family and General Practitioners	*	*	*	*	<5	<5	<5	First professional degree	\$155,682	\$53.64	\$85.45
29-1063	Internists, General	*	*	*	*	10	<5	10	First professional degree			
29-1064	Obstetricians and Gynecologists	10	10	0	0.00%	<5	<5	<5	First professional degree			
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree			
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	\$189,997		
29-1069	Physicians and Surgeons, All Other	*	*	*	*	10	<5	10	First professional degree	\$170,078		
29-1071	Physician Assistants	80	80	0	0.00%	<5	<5	<5	Bachelor's degree			
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree			
29-1111	Registered Nurses	3,170	3,330	160	5.05%	80	60	140	Bachelor's degree	\$53,722	\$20.99	\$28.25
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Doctoral degree	\$52,567	\$17.14	\$29.34
29-1122	Occupational Therapists	180	190	10	5.56%	10	<5	10	Master's degree	\$53,107	\$19.82	\$28.39
29-1123	Physical Therapists	220	230	10	4.55%	10	<5	10	Master's degree	\$67,830	\$25.17	\$36.33
29-1124	Radiation Therapists	*	*	*	*	10	<5	10	Associate degree	\$64,800	\$24.64	\$34.41
29-1125	Recreational Therapists	50	50	0	0.00%	<5	<5	<5	Bachelor's degree	\$29,523	\$10.85	\$15.87
29-1126	Respiratory Therapists	100	100	0	0.00%	<5	<5	<5	Associate degree	\$46,991	\$18.80	\$24.49
29-1127	Speech-Language Pathologists	150	150	0	0.00%	<5	<5	<5	Master's degree	\$47,935	\$15.11	\$27.01
29-1129	Therapists, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-1131	Veterinarians	80	80	0	0.00%	<5	<5	<5	First professional degree	\$64,342	\$19.47	\$36.66
29-1199	Health Diagnosing and Treating Practitioners, All Other	*	*	*	*	<5	<5	<5	First professional degree	\$55,108	\$21.96	\$28.76
29-2011	Medical and Clinical Laboratory Technologists	190	200	10	5.26%	10	10	20	Bachelor's degree	\$48,370	\$19.28	\$25.24
29-2012	Medical and Clinical Laboratory Technicians	120	130	10	8.33%	10	<5	10	Associate degree	\$37,523	\$14.77	\$19.68
29-2021	Dental Hygienists	300	320	20	6.67%	10	<5	10	Associate degree	\$48,544	\$18.50	\$25.76
29-2031	Cardiovascular Technologists and Technicians	40	40	0	0.00%	<5	<5	<5	Associate degree	\$40,744	\$14.18	\$22.29
29-2032	Diagnostic Medical Sonographers	50	50	0	0.00%	<5	<5	<5	Associate degree	\$54,426	\$19.89	\$29.31
29-2033	Nuclear Medicine Technologists	20	20	0	0.00%	<5	<5	<5	Associate degree	\$56,729	\$24.34	\$28.74
29-2034	Radiologic Technologists and Technicians	260	280	20	7.69%	10	10	20	Associate degree	\$45,229	\$18.00	\$23.61
29-2041	Emergency Medical Technicians and Paramedics	580	600	20	3.45%	10	10	20	Postsecondary vocational training	\$21,397	\$5.93	\$12.46
29-2051	Dietetic Technicians	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,579	\$8.55	\$13.45
29-2052	Pharmacy Technicians	340	350	10	2.94%	10	<5	10	Moderate-term on-the-job training	\$23,029	\$9.11	\$12.05
29-2053	Psychiatric Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
29-2054	Respiratory Therapy Technicians	20	20	0	0.00%	<5	<5	<5	Associate degree	\$35,113	\$13.59	\$18.53

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29-2055	Surgical Technologists	140	140	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$39,483	\$15.03	\$20.96
29-2056	Veterinary Technologists and Technicians	80	80	0	0.00%	<5	<5	<5	Associate degree	\$24,884	\$9.71	\$13.09
29-2061	Licensed Practical and Licensed Vocational Nurses	760	770	10	1.32%	10	20	30	Postsecondary vocational training	\$34,014	\$14.03	\$17.51
29-2071	Medical Records and Health Information Technicians	230	240	10	4.35%	10	<5	10	Associate degree	\$26,431	\$9.75	\$14.19
29-2081	Opticians, Dispensing	120	130	10	8.33%	10	<5	10	Long-term on-the-job training	\$24,450	\$8.17	\$13.55
29-2091	Orthotists and Prosthetists	*	*	*	*	<5	<5	<5	Bachelor's degree			
29-2099	Health Technologists and Technicians, All Other	*	*	*	*	10	<5	10	Postsecondary vocational training	\$36,422	\$12.42	\$20.06
29-9011	Occupational Health and Safety Specialists	30	30	0	0.00%	<5	<5	<5	Bachelor's degree	\$48,879	\$17.26	\$26.62
29-9012	Occupational Health and Safety Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	\$37,533		
29-9099	Healthcare Practitioners and Technical Workers, All Other	60	70	10	16.67%	10	<5	10	Postsecondary vocational training	\$37,376	\$12.01	\$20.95
31-0000	Healthcare Support Occupations	5,950	6,160	210	3.53%	110	80	190		\$23,325	\$8.91	\$12.37
31-1011	Home Health Aides	1,210	1,300	90	7.44%	50	20	70	Short-term on-the-job training	\$19,327	\$7.76	\$10.06
31-1012	Nursing Aides, Orderlies, and Attendants	3,000	3,040	40	1.33%	20	40	60	Postsecondary vocational training	\$23,442	\$9.49	\$12.16
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2011	Occupational Therapist Assistants	50	50	0	0.00%	<5	<5	<5	Associate degree	\$35,577	\$14.78	\$18.27
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-2021	Physical Therapist Assistants	80	90	10	12.50%	10	<5	10	Associate degree	\$35,602	\$14.51	\$18.42
31-2022	Physical Therapist Aides	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,689	\$9.67	\$12.25
31-9011	Massage Therapists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$22,664	\$5.94	\$13.37
31-9091	Dental Assistants	340	360	20	5.88%	10	10	20	Moderate-term on-the-job training	\$25,997	\$10.05	\$13.72
31-9092	Medical Assistants	360	380	20	5.56%	10	10	20	Moderate-term on-the-job training	\$26,261	\$10.56	\$13.66
31-9093	Medical Equipment Preparers	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,437	\$10.44	\$15.29
31-9094	Medical Transcriptionists	270	280	10	3.70%	10	10	20	Postsecondary vocational training	\$29,357	\$12.06	\$15.14
31-9095	Pharmacy Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$21,261	\$8.35	\$11.16
31-9099	Healthcare Support Workers, All Other	*	*	*	*	10	10	20	Short-term on-the-job training			
33-0000	Protective Service Occupations	3,260	3,310	50	1.53%	30	100	130		\$33,184	\$9.02	\$19.42
33-1011	First-Line Supervisors/Managers of Correctional Officers	40	40	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$51,795	\$21.10	\$26.80
33-1012	First-Line Supervisors/Managers of Police and Detectives	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$57,855	\$22.05	\$30.70
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$49,825	\$14.28	\$28.79
33-2011	Fire Fighters	630	650	20	3.17%	10	20	30	Long-term on-the-job training	\$26,484	\$8.12	\$15.04
33-2021	Fire Inspectors and Investigators	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-3012	Correctional Officers and Jailers	400	400	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$33,168	\$13.26	\$17.29
33-3021	Detectives and Criminal Investigators	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$53,560	\$21.42	\$27.91
33-3031	Fish and Game Wardens	*	*	*	*	<5	<5	<5	Associate degree			
33-3041	Parking Enforcement Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
33-3051	Police and Sheriff's Patrol Officers	910	920	10	1.10%	10	20	30	Long-term on-the-job training	\$39,438	\$13.83	\$21.53
33-9011	Animal Control Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9021	Private Detectives and Investigators	20	20	0	0.00%	<5	<5	<5	Work experience in a related occupation			
33-9031	Gaming Surveillance Officers and Gaming Investigators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
33-9032	Security Guards	500	500	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,705	\$7.32	\$10.55
33-9091	Crossing Guards	140	140	0	0.00%	<5	10	10	Short-term on-the-job training	\$22,433	\$7.38	\$12.49

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33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	150	160	10	6.67%	10	20	30	Short-term on-the-job training	\$16,002	\$5.87	\$8.61
33-9099	Protective Service Workers, All Other	90	90	0	0.00%	<5	10	10	Short-term on-the-job training	\$29,876	\$8.46	\$17.32
35-0000	Food Preparation and Serving Related Occupations	17,160	17,640	480	2.80%	240	830	1,070		\$16,748	\$5.91	\$9.12
35-1011	Chefs and Head Cooks	240	250	10	4.17%	10	10	20	Postsecondary vocational training	\$26,482	\$9.07	\$14.56
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,120	1,150	30	2.68%	20	30	50	Work experience in a related occupation	\$24,205	\$8.60	\$13.16
35-2011	Cooks, Fast Food	790	820	30	3.80%	20	30	50	Short-term on-the-job training	\$13,838	\$5.86	\$7.05
35-2012	Cooks, Institution and Cafeteria	610	610	0	0.00%	<5	20	20	Long-term on-the-job training	\$21,793	\$8.22	\$11.61
35-2013	Cooks, Private Household	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
35-2014	Cooks, Restaurant	950	990	40	4.21%	20	40	60	Long-term on-the-job training	\$18,913	\$6.88	\$10.20
35-2015	Cooks, Short Order	400	410	10	2.50%	10	20	30	Short-term on-the-job training	\$17,968	\$6.94	\$9.49
35-2019	Cooks, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$19,881	\$7.52	\$10.58
35-2021	Food Preparation Workers	1,110	1,140	30	2.70%	20	50	70	Short-term on-the-job training	\$18,233	\$6.75	\$9.77
35-3011	Bartenders	1,840	1,890	50	2.72%	30	70	100	Short-term on-the-job training	\$16,969	\$6.50	\$8.99
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,880	4,000	120	3.09%	60	210	270	Short-term on-the-job training	\$14,653	\$5.94	\$7.60
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	460	470	10	2.17%	10	50	60	Short-term on-the-job training	\$14,448	\$5.90	\$7.47
35-3031	Waiters and Waitresses	3,410	3,520	110	3.23%	60	200	260	Short-term on-the-job training	\$15,276	\$5.89	\$8.07
35-3041	Food Servers, Nonrestaurant	300	300	0	0.00%	<5	10	10	Short-term on-the-job training	\$18,036	\$6.54	\$9.74
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	610	620	10	1.64%	10	30	40	Short-term on-the-job training	\$15,062	\$5.90	\$7.91
35-9021	Dishwashers	920	940	20	2.17%	10	40	50	Short-term on-the-job training	\$14,534	\$5.90	\$7.53
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	420	430	10	2.38%	10	20	30	Short-term on-the-job training	\$16,043	\$5.94	\$8.60
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-0000	Building and Grounds Cleaning and Maintenance Occupations	5,570	5,740	170	3.05%	90	110	200		\$22,256	\$7.26	\$12.42
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	230	240	10	4.35%	10	10	20	Work experience in a related occupation	\$33,741	\$11.11	\$18.78
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	100	100	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$39,537	\$12.41	\$22.30
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,020	3,120	100	3.31%	50	60	110	Short-term on-the-job training	\$22,203	\$7.71	\$12.16
37-2012	Maids and Housekeeping Cleaners	1,300	1,340	40	3.08%	20	30	50	Short-term on-the-job training	\$17,624	\$6.41	\$9.50
37-2019	Building Cleaning Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
37-2021	Pest Control Workers	*	*	*	*	10	<5	10	Moderate-term on-the-job training	\$39,156	\$10.56	\$22.96
37-3011	Landscaping and Groundskeeping Workers	860	890	30	3.49%	20	20	40	Short-term on-the-job training	\$22,852	\$7.54	\$12.71
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$22,670	\$7.84	\$12.43
37-3013	Tree Trimmers and Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$30,694	\$12.42	\$15.92
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-0000	Personal Care and Service Occupations	4,710	4,910	200	4.25%	100	120	220		\$19,567	\$6.80	\$10.71
39-1011	Gaming Supervisors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-1021	First-Line Supervisors/Managers of Personal Service Workers	200	200	0	0.00%	<5	10	10	Work experience in a related occupation	\$30,485	\$10.45	\$16.76
39-2011	Animal Trainers	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
39-2021	Nonfarm Animal Caretakers	*	*	*	*	10	<5	10	Short-term on-the-job training	\$16,650	\$5.90	\$9.06
39-3011	Gaming Dealers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-3012	Gaming and Sports Book Writers and Runners	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-3019	Gaming Service Workers, All Other	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
39-3021	Motion Picture Projectionists	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$15,998	\$7.44	\$7.82

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39-3031	Ushers, Lobby Attendants, and Ticket Takers	120	120	0	0.00%	<5	10	10	Short-term on-the-job training	\$13,248	\$5.94	\$6.58
39-3091	Amusement and Recreation Attendants	400	410	10	2.50%	10	20	30	Short-term on-the-job training	\$16,020	\$6.53	\$8.29
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	650	670	20	3.08%	10	10	20	Postsecondary vocational training	\$22,154	\$6.76	\$12.60
39-5092	Manicurists and Pedicurists	*	*	*	*	10	<5	10	Postsecondary vocational training			
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
39-6011	Baggage Porters and Bellhops	10	20	10	100.00%	10	<5	10	Short-term on-the-job training			
39-6012	Concierges	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
39-6021	Tour Guides and Escorts	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6022	Travel Guides	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
39-6031	Flight Attendants	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training			
39-9011	Child Care Workers	710	740	30	4.23%	20	20	40	Short-term on-the-job training	\$17,381	\$6.67	\$9.20
39-9021	Personal and Home Care Aides	1,260	1,340	80	6.35%	40	20	60	Short-term on-the-job training	\$18,346	\$7.21	\$9.62
39-9031	Fitness Trainers and Aerobics Instructors	270	280	10	3.70%	10	10	20	Postsecondary vocational training	\$20,333	\$6.31	\$11.51
39-9032	Recreation Workers	440	450	10	2.27%	10	10	20	Bachelor's degree	\$21,529	\$7.65	\$11.70
39-9041	Residential Advisors	60	60	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,013	\$7.97	\$16.22
39-9099	Personal Care and Service Workers, All Other	50	50	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$15,318	\$6.16	\$7.97
41-0000	Sales and Related Occupations	17,540	17,780	240	1.37%	120	730	850		\$27,743	\$6.74	\$16.64
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,410	1,420	10	0.71%	10	20	30	Work experience in a related occupation	\$38,426	\$11.06	\$22.18
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	270	270	0	0.00%	<5	10	10	Work experience in a related occupation	\$65,971	\$16.96	\$39.10
41-2011	Cashiers	5,490	5,470	-20	-0.36%	<5	360	360	Short-term on-the-job training	\$15,885	\$5.94	\$8.48
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
41-2021	Counter and Rental Clerks	500	520	20	4.00%	10	20	30	Short-term on-the-job training	\$22,502	\$6.77	\$12.84
41-2022	Parts Salespersons	350	340	-10	-2.86%	<5	10	10	Moderate-term on-the-job training	\$29,183	\$9.30	\$16.40
41-2031	Retail Salespersons	5,350	5,470	120	2.24%	60	220	280	Short-term on-the-job training	\$23,009	\$6.83	\$13.18
41-3011	Advertising Sales Agents	170	170	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,745	\$10.56	\$20.50
41-3021	Insurance Sales Agents	290	290	0	0.00%	<5	10	10	Bachelor's degree	\$49,273	\$13.41	\$28.83
41-3031	Securities, Commodities, and Financial Services Sales Agents	120	120	0	0.00%	<5	<5	<5	Bachelor's degree	\$46,992	\$12.94	\$27.42
41-3041	Travel Agents	90	80	-10	-11.11%	<5	<5	<5	Postsecondary vocational training	\$26,305	\$9.86	\$14.04
41-3099	Sales Representatives, Services, All Other	*	*	*	*	10	10	20	Moderate-term on-the-job training	\$43,230	\$10.08	\$26.13
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	300	310	10	3.33%	10	10	20	Moderate-term on-the-job training	\$60,973	\$18.09	\$34.92
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1,880	1,940	60	3.19%	30	50	80	Moderate-term on-the-job training	\$51,192	\$14.60	\$29.62
41-9011	Demonstrators and Product Promoters	*	*	*	*	10	<5	10	Moderate-term on-the-job training	\$19,000	\$7.37	\$10.01
41-9012	Models	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$79,582	\$29.78	\$42.50
41-9022	Real Estate Sales Agents	70	70	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$53,916	\$15.78	\$30.99
41-9031	Sales Engineers	100	110	10	10.00%	10	<5	10	Bachelor's degree	\$77,339	\$20.78	\$45.38
41-9041	Telemarketers	*	*	*	*	10	10	20	Short-term on-the-job training	\$20,316	\$7.77	\$10.77

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41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training			
41-9099	Sales and Related Workers, All Other	*	*	*	*	10	<5	10	Moderate-term on-the-job training	\$31,909	\$9.26	\$18.38
43-0000	Office and Administrative Support Occupations	27,760	27,890	130	0.47%	70	670	740		\$27,099	\$8.57	\$15.26
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,460	1,480	20	1.37%	10	30	40	Work experience in a related occupation	\$41,940	\$13.99	\$23.25
43-2011	Switchboard Operators, Including Answering Service	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,501	\$7.97	\$11.52
43-2021	Telephone Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-2099	Communications Equipment Operators, All Other	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
43-3011	Bill and Account Collectors	380	400	20	5.26%	10	10	20	Short-term on-the-job training	\$26,945	\$9.54	\$14.66
43-3021	Billing and Posting Clerks and Machine Operators	640	640	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,141	\$10.75	\$14.20
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2,620	2,620	0	0.00%	<5	50	50	Moderate-term on-the-job training	\$28,317	\$9.84	\$15.50
43-3041	Gaming Cage Workers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-3051	Payroll and Timekeeping Clerks	260	270	10	3.85%	10	10	20	Moderate-term on-the-job training	\$29,353	\$10.59	\$15.87
43-3061	Procurement Clerks	*	*	*	*	10	<5	10	Short-term on-the-job training	\$26,642	\$9.67	\$14.38
43-3071	Tellers	970	970	0	0.00%	<5	60	60	Short-term on-the-job training	\$19,164	\$7.42	\$10.11
43-4011	Brokerage Clerks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
43-4031	Court, Municipal, and License Clerks	*	*	*	*	10	<5	10	Short-term on-the-job training	\$35,192	\$12.89	\$18.93
43-4041	Credit Authorizers, Checkers, and Clerks	50	40	-10	-20.00%	<5	<5	<5	Short-term on-the-job training	\$27,035	\$9.85	\$14.57
43-4051	Customer Service Representatives	2,320	2,380	60	2.59%	30	30	60	Moderate-term on-the-job training	\$26,891	\$8.75	\$15.02
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$36,303	\$14.40	\$18.98
43-4071	File Clerks	250	240	-10	-4.00%	<5	10	10	Short-term on-the-job training	\$21,432	\$7.37	\$11.77
43-4081	Hotel, Motel, and Resort Desk Clerks	260	270	10	3.85%	10	10	20	Short-term on-the-job training	\$17,970	\$7.43	\$9.24
43-4111	Interviewers, Except Eligibility and Loan	220	230	10	4.55%	10	10	20	Short-term on-the-job training	\$24,835	\$9.86	\$12.98
43-4121	Library Assistants, Clerical	140	140	0	0.00%	<5	10	10	Short-term on-the-job training	\$19,895	\$7.44	\$10.63
43-4131	Loan Interviewers and Clerks	250	240	-10	-4.00%	<5	<5	<5	Short-term on-the-job training	\$26,823	\$10.53	\$14.08
43-4141	New Accounts Clerks	120	120	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$25,270	\$11.75	\$12.35
43-4151	Order Clerks	540	520	-20	-3.70%	<5	10	10	Short-term on-the-job training	\$26,826	\$9.75	\$14.47
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	220	220	0	0.00%	<5	10	10	Short-term on-the-job training	\$33,057	\$12.24	\$17.72
43-4171	Receptionists and Information Clerks	1,510	1,550	40	2.65%	20	40	60	Short-term on-the-job training	\$22,321	\$8.28	\$11.96
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training			
43-4199	Information and Record Clerks, All Other	280	280	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$29,397	\$9.42	\$16.49
43-5011	Cargo and Freight Agents	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-5021	Couriers and Messengers	140	140	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$17,289	\$6.14	\$9.40
43-5031	Police, Fire, and Ambulance Dispatchers	120	130	10	8.33%	10	<5	10	Moderate-term on-the-job training	\$33,534	\$10.98	\$18.69
43-5032	Dispatchers, Except Police, Fire, and Ambulance	180	180	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,802	\$10.33	\$18.49
43-5041	Meter Readers, Utilities	60	50	-10	-16.67%	<5	<5	<5	Short-term on-the-job training	\$24,485	\$6.01	\$14.65
43-5051	Postal Service Clerks	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$47,330	\$19.72	\$24.27
43-5052	Postal Service Mail Carriers	500	490	-10	-2.00%	<5	20	20	Short-term on-the-job training	\$40,973	\$14.51	\$22.29
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	270	270	0	0.00%	<5	10	10	Short-term on-the-job training	\$39,384	\$12.06	\$22.37
43-5061	Production, Planning, and Expediting Clerks	460	470	10	2.17%	10	10	20	Short-term on-the-job training	\$37,285	\$12.69	\$20.54
43-5071	Shipping, Receiving, and Traffic Clerks	1,130	1,140	10	0.88%	10	20	30	Short-term on-the-job training	\$28,928	\$9.82	\$15.95
43-5081	Stock Clerks and Order Fillers	2,370	2,340	-30	-1.27%	<5	120	120	Short-term on-the-job training	\$19,704	\$6.73	\$10.85
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	160	160	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,768	\$9.69	\$14.46
43-6011	Executive Secretaries and Administrative Assistants	1,780	1,800	20	1.12%	10	30	40	Moderate-term on-the-job training	\$31,999	\$11.40	\$17.38
43-6012	Legal Secretaries	210	210	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,610	\$10.48	\$15.39
43-6013	Medical Secretaries	320	320	0	0.00%	<5	10	10	Postsecondary vocational training	\$27,710	\$11.20	\$14.38

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43-6014	Secretaries, Except Legal, Medical, and Executive	2,530	2,500	-30	-1.19%	<5	40	40	Moderate-term on-the-job training	\$25,666	\$9.27	\$13.88
43-9011	Computer Operators	110	100	-10	-9.09%	<5	<5	<5	Moderate-term on-the-job training	\$30,666	\$11.12	\$16.56
43-9021	Data Entry Keyers	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$23,094	\$8.93	\$12.19
43-9022	Word Processors and Typists	170	160	-10	-5.88%	<5	<5	<5	Moderate-term on-the-job training	\$27,904	\$10.57	\$14.84
43-9031	Desktop Publishers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,884	\$9.27	\$15.47
43-9041	Insurance Claims and Policy Processing Clerks	280	280	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$24,766	\$9.73	\$13.00
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	180	170	-10	-5.56%	<5	10	10	Short-term on-the-job training	\$21,243	\$8.65	\$10.99
43-9061	Office Clerks, General	2,760	2,780	20	0.72%	10	60	70	Short-term on-the-job training	\$23,157	\$7.85	\$12.78
43-9071	Office Machine Operators, Except Computer	90	90	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$22,452	\$8.96	\$11.71
43-9081	Proofreaders and Copy Markers	20	20	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,034	\$8.44	\$10.23
43-9111	Statistical Assistants	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
43-9199	Office and Administrative Support Workers, All Other	360	370	10	2.78%	10	10	20	Short-term on-the-job training	\$24,059	\$7.66	\$13.52
45-0000	Farming, Fishing, and Forestry Occupations	270	280	10	3.70%	10	10	20		\$24,922	\$8.60	\$13.67
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2011	Agricultural Inspectors	10	10	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$33,897	\$11.57	\$18.66
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Associate Degree			
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
45-2091	Agricultural Equipment Operators	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$22,591	\$8.71	\$11.94
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	30	30	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,777	\$6.93	\$10.08
45-2093	Farmworkers, Farm and Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-2099	Agricultural Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
45-3011	Fishers and Related Fishing Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4011	Forest and Conservation Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4022	Logging Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
45-4023	Log Graders and Scalers	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$35,983	\$13.36	\$19.27
45-4029	Logging Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-0000	Construction and Extraction Occupations	7,410	7,680	270	3.64%	140	140	280		\$39,111	\$12.52	\$21.94
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	510	530	20	3.92%	10	10	20	Work experience in a related occupation	\$53,839	\$17.92	\$29.87
47-2011	Boilermakers	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
47-2021	Brickmasons and Blockmasons	160	160	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$46,261	\$16.35	\$25.19
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2031	Carpenters	1,460	1,520	60	4.11%	30	20	50	Long-term on-the-job training	\$35,415	\$12.20	\$19.44
47-2041	Carpet Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$35,866	\$12.16	\$19.79
47-2043	Floor Sanders and Finishers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-2044	Tile and Marble Setters	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2051	Cement Masons and Concrete Finishers	290	310	20	6.90%	10	10	20	Moderate-term on-the-job training	\$30,242	\$10.16	\$16.73
47-2053	Terrazzo Workers and Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2061	Construction Laborers	910	930	20	2.20%	10	10	20	Moderate-term on-the-job training	\$35,656	\$10.74	\$20.34
47-2071	Paving, Surfacing, and Tamping Equipment Operators	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$43,430	\$17.77	\$22.44
47-2072	Pile-Driver Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2073	Operating Engineers and Other Construction Equipment Operators	530	550	20	3.77%	10	10	20	Moderate-term on-the-job training	\$42,318	\$14.03	\$23.50
47-2081	Drywall and Ceiling Tile Installers	60	70	10	16.67%	10	<5	10	Moderate-term on-the-job training	\$39,039	\$13.77	\$21.27
47-2082	Tapers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2111	Electricians	720	750	30	4.17%	20	10	30	Long-term on-the-job training	\$47,597	\$17.38	\$25.64
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
47-2132	Insulation Workers, Mechanical	*	*	*	*	10	<5	10	Moderate-term on-the-job training			
47-2141	Painters, Construction and Maintenance	200	210	10	5.00%	10	<5	10	Moderate-term on-the-job training	\$30,038	\$9.69	\$16.82
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2151	Pipelayers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-2152	Plumbers, Pipefitters, and Steamfitters	520	540	20	3.85%	10	10	20	Long-term on-the-job training	\$43,979	\$14.23	\$24.60
47-2161	Plasterers and Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$37,681	\$13.58	\$20.38
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-2181	Roofers	160	170	10	6.25%	10	<5	10	Moderate-term on-the-job training	\$34,258	\$11.90	\$18.76
47-2211	Sheet Metal Workers	330	340	10	3.03%	10	10	20	Long-term on-the-job training	\$42,804	\$12.26	\$24.74
47-2221	Structural Iron and Steel Workers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$28,364	\$11.10	\$14.91
47-3012	Helpers--Carpenters	110	120	10	9.09%	10	10	20	Short-term on-the-job training	\$24,460	\$8.30	\$13.49
47-3013	Helpers--Electricians	*	*	*	*	10	<5	10	Short-term on-the-job training	\$27,206	\$10.39	\$14.43
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$23,008	\$7.37	\$12.91
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
47-3019	Helpers, Construction Trades, All Other	10	10	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,051	\$8.11	\$11.13
47-4011	Construction and Building Inspectors	80	80	0	0.00%	<5	<5	<5	Work experience in a related occupation	\$47,808	\$17.13	\$25.91
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
47-4031	Fence Erectors	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
47-4041	Hazardous Materials Removal Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4051	Highway Maintenance Workers	420	440	20	4.76%	10	10	20	Moderate-term on-the-job training	\$32,676	\$13.72	\$16.71
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$35,578	\$14.32	\$18.50
47-4091	Segmental Pavers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-4099	Construction and Related Workers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$33,264	\$12.68	\$17.65
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5041	Continuous Mining Machine Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5051	Rock Splitters, Quarry	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
47-5081	Helpers--Extraction Workers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
49-0000	Installation, Maintenance, and Repair Occupations	6,700	6,830	130	1.94%	70	150	220		\$34,441	\$11.00	\$19.34
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	540	550	10	1.85%	10	10	20	Work experience in a related occupation	\$51,372	\$16.54	\$28.78
49-2011	Computer, Automated Teller, and Office Machine Repairers	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,345	\$9.79	\$16.27
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	180	170	-10	-5.56%	<5	<5	<5	Postsecondary vocational training	\$45,163	\$17.36	\$23.89
49-2091	Avionics Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2092	Electric Motor, Power Tool, and Related Repairers	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$27,620	\$11.34	\$14.25
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	50	50	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$42,472	\$15.56	\$22.85
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training			

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49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	*	*	*	*	<5	<5	<5	Postsecondary vocational training			
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	40	40	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$34,576	\$12.47	\$18.70
49-2098	Security and Fire Alarm Systems Installers	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$31,436	\$10.89	\$17.23
49-3011	Aircraft Mechanics and Service Technicians	30	30	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$40,436	\$17.40	\$20.46
49-3021	Automotive Body and Related Repairers	270	270	0	0.00%	<5	10	10	Long-term on-the-job training	\$33,699	\$11.89	\$18.36
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3023	Automotive Service Technicians and Mechanics	1,110	1,140	30	2.70%	20	30	50	Postsecondary vocational training	\$31,484	\$9.86	\$17.77
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	340	360	20	5.88%	10	10	20	Postsecondary vocational training	\$33,842	\$11.93	\$18.44
49-3041	Farm Equipment Mechanics	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$28,400	\$10.42	\$15.27
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	110	120	10	9.09%	10	<5	10	Postsecondary vocational training	\$37,710	\$14.48	\$19.95
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$27,592	\$9.17	\$15.31
49-3052	Motorcycle Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$32,513	\$13.67	\$16.61
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	50	50	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$29,582	\$9.59	\$16.54
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-3092	Recreational Vehicle Service Technicians	20	20	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,226	\$9.62	\$14.10
49-3093	Tire Repairers and Changers	130	130	0	0.00%	<5	10	10	Short-term on-the-job training	\$21,283	\$8.34	\$11.18
49-9011	Mechanical Door Repairers	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	320	350	30	9.38%	20	<5	20	Long-term on-the-job training	\$34,556	\$12.33	\$18.76
49-9031	Home Appliance Repairers	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,414	\$10.04	\$16.91
49-9041	Industrial Machinery Mechanics	370	370	0	0.00%	<5	10	10	Long-term on-the-job training	\$37,204	\$13.43	\$20.12
49-9042	Maintenance and Repair Workers, General	1,620	1,650	30	1.85%	20	30	50	Long-term on-the-job training	\$32,164	\$11.48	\$17.45
49-9043	Maintenance Workers, Machinery	240	240	0	0.00%	<5	10	10	Short-term on-the-job training	\$28,867	\$10.39	\$15.62
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$36,740	\$15.40	\$18.80
49-9045	Refractory Materials Repairers, Except Brickmasons	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
49-9051	Electrical Power-Line Installers and Repairers	130	130	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$55,149	\$20.11	\$29.72
49-9052	Telecommunications Line Installers and Repairers	140	140	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$37,013	\$14.51	\$19.44
49-9061	Camera and Photographic Equipment Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree			
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
49-9069	Precision Instrument and Equipment Repairers, All Other	10	10	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$36,733	\$13.14	\$19.92
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9094	Locksmiths and Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$29,712	\$11.97	\$15.44
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
49-9098	Helpers--Installation, Maintenance, and Repair Workers	170	180	10	5.88%	10	10	20	Short-term on-the-job training	\$25,408	\$8.56	\$14.04
49-9099	Installation, Maintenance, and Repair Workers, All Other	150	150	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$37,004	\$11.64	\$20.86
51-0000	Production Occupations	21,960	22,140	180	0.82%	90	520	610		\$28,765	\$9.55	\$15.97

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51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,400	1,420	20	1.43%	10	30	40	Work experience in a related occupation	\$45,698	\$15.49	\$25.21
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2022	Electrical and Electronic Equipment Assemblers	620	630	10	1.61%	10	10	20	Short-term on-the-job training	\$25,625	\$9.77	\$13.59
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-2031	Engine and Other Machine Assemblers	100	100	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$32,262	\$11.08	\$17.73
51-2041	Structural Metal Fabricators and Fitters	260	260	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$33,914	\$15.15	\$16.88
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,013	\$9.33	\$16.98
51-2092	Team Assemblers	3,260	3,320	60	1.84%	30	80	110	Moderate-term on-the-job training	\$26,905	\$9.80	\$14.50
51-2099	Assemblers and Fabricators, All Other	420	420	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$21,234	\$7.84	\$11.39
51-3011	Bakers	240	250	10	4.17%	10	10	20	Long-term on-the-job training	\$20,938	\$7.60	\$11.30
51-3021	Butchers and Meat Cutters	*	*	*	*	<5	10	10	Long-term on-the-job training			
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	10	<5	10	Short-term on-the-job training			
51-3023	Slaughtering and Meat Packers	500	520	20	4.00%	10	10	20	Moderate-term on-the-job training	\$21,854	\$9.68	\$10.92
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$26,834	\$10.58	\$14.06
51-3092	Food Batchmakers	350	360	10	2.86%	10	10	20	Short-term on-the-job training	\$28,108	\$10.97	\$14.78
51-3093	Food Cooking Machine Operators and Tenders	110	110	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$21,528	\$8.34	\$11.35
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	420	430	10	2.38%	10	10	20	Moderate-term on-the-job training	\$31,461	\$11.84	\$16.77
51-4012	Numerical Tool and Process Control Programmers	50	50	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$37,079	\$15.47	\$19.00
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	250	240	-10	-4.00%	<5	10	10	Moderate-term on-the-job training	\$23,199	\$8.65	\$12.41
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	800	780	-20	-2.50%	<5	20	20	Moderate-term on-the-job training	\$27,329	\$10.71	\$14.35
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	120	120	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,373	\$11.18	\$14.87
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	270	270	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,960	\$10.52	\$14.90
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$32,809	\$13.34	\$16.99
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	70	70	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,289	\$11.97	\$15.86
51-4041	Machinists	750	770	20	2.67%	10	20	30	Long-term on-the-job training	\$33,094	\$12.24	\$17.74
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4052	Pourers and Casters, Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$28,942	\$10.14	\$15.80
51-4061	Model Makers, Metal and Plastic	20	20	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$39,711	\$15.13	\$21.07
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4071	Foundry Mold and Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	580	580	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$25,164	\$9.83	\$13.23
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	300	300	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$33,083	\$12.52	\$17.60
51-4111	Tool and Die Makers	300	300	0	0.00%	<5	10	10	Long-term on-the-job training	\$42,672	\$16.85	\$22.35
51-4121	Welders, Cutters, Solderers, and Brazers	850	860	10	1.18%	10	20	30	Postsecondary vocational training	\$32,700	\$12.63	\$17.26

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51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	140	140	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$31,681	\$11.53	\$17.08
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	80	80	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,725	\$10.55	\$15.44
51-4194	Tool Grinders, Filers, and Sharpeners	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$27,377	\$10.12	\$14.68
51-4199	Metal Workers and Plastic Workers, All Other	90	90	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,251	\$10.69	\$14.31
51-5011	Bindery Workers	160	170	10	6.25%	10	10	20	Moderate-term on-the-job training	\$27,543	\$9.56	\$15.08
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-5021	Job Printers	60	60	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$30,443	\$12.15	\$15.88
51-5022	Prepress Technicians and Workers	90	90	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$29,880	\$10.05	\$16.52
51-5023	Printing Machine Operators	290	290	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,613	\$9.81	\$17.17
51-6011	Laundry and Dry-Cleaning Workers	240	250	10	4.17%	10	10	20	Moderate-term on-the-job training	\$20,225	\$7.35	\$10.91
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	<5	<5	<5	Short-term on-the-job training	\$18,248	\$7.32	\$9.50
51-6031	Sewing Machine Operators	210	210	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$19,704	\$7.04	\$10.69
51-6041	Shoe and Leather Workers and Repairers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6051	Sewers, Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-6052	Tailors, Dressmakers, and Custom Sewers	30	40	10	33.33%	10	<5	10	Work experience in a related occupation	\$20,574	\$9.12	\$10.28
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-6093	Upholsterers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$22,391	\$7.68	\$12.31
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	<5	10	10	Long-term on-the-job training			
51-7021	Furniture Finishers	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$26,974	\$9.22	\$14.85
51-7031	Model Makers, Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-7032	Patternmakers, Wood	0	0	0	NA	<5	<5	<5	Long-term on-the-job training			
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	200	200	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,085	\$9.93	\$15.29
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	290	280	-10	-3.45%	<5	10	10	Moderate-term on-the-job training	\$25,976	\$8.45	\$14.51
51-7099	Woodworkers, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-8011	Nuclear Power Reactor Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8012	Power Distributors and Dispatchers	10	10	0	0.00%	<5	<5	<5	Long-term on-the-job training			
51-8013	Power Plant Operators	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$39,168	\$15.88	\$20.30
51-8021	Stationary Engineers and Boiler Operators	40	40	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$38,716	\$15.31	\$20.27
51-8031	Water and Liquid Waste Treatment Plant and System Operators	180	180	0	0.00%	<5	10	10	Long-term on-the-job training	\$35,615	\$13.78	\$18.79
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8092	Gas Plant Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training			

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51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-8099	Plant and System Operators, All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9011	Chemical Equipment Operators and Tenders Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9012	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	130	130	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$27,596	\$10.17	\$14.82
51-9021	Grinding and Polishing Workers, Hand	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$25,687	\$8.49	\$14.28
51-9022	Mixing and Blending Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$26,142	\$9.56	\$14.07
51-9023	Cutters and Trimmers, Hand	240	250	10	4.17%	10	10	20	Moderate-term on-the-job training	\$29,924	\$11.27	\$15.94
51-9031	Cutting and Slicing Machine Setters, Operators, and Tenders	40	40	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$25,038	\$8.32	\$13.90
51-9032	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	270	270	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$32,296	\$10.92	\$17.83
51-9041	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	160	160	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$26,680	\$9.77	\$14.36
51-9051	Inspectors, Testers, Sorters, Samplers, and Weighers	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9061	Jewelers and Precious Stone and Metal Workers	1,170	1,200	30	2.56%	20	30	50	Moderate-term on-the-job training	\$29,336	\$9.98	\$16.16
51-9071	Dental Laboratory Technicians	*	*	*	*	<5	<5	<5	Postsecondary vocational training	\$33,306	\$9.40	\$19.32
51-9081	Medical Appliance Technicians	*	*	*	*	<5	<5	<5	Long-term on-the-job training	\$35,486	\$10.89	\$20.14
51-9082	Ophthalmic Laboratory Technicians	0	0	0	NA	<5	<5	<5	Long-term on-the-job training	\$31,849	\$11.07	\$17.43
51-9083	Packaging and Filling Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9111	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,040	1,040	0	0.00%	<5	20	20	Short-term on-the-job training	\$27,309	\$8.98	\$15.20
51-9121	Painters, Transportation Equipment	310	310	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$28,691	\$10.47	\$15.45
51-9122	Painting, Coating, and Decorating Workers	60	70	10	16.67%	10	<5	10	Long-term on-the-job training	\$34,070	\$12.88	\$18.13
51-9123	Photographic Process Workers	70	70	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$18,460	\$6.73	\$9.95
51-9131	Photographic Processing Machine Operators	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training			
51-9132	Semiconductor Processors	80	70	-10	-12.50%	<5	<5	<5	Short-term on-the-job training	\$22,643	\$8.38	\$12.14
51-9141	Cementing and Gluing Machine Operators and Tenders	10	10	0	0.00%	<5	<5	<5	Associate degree			
51-9191	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	30	30	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$28,450	\$11.23	\$14.90
51-9192	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9193	Etchers and Engravers	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
51-9194	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$21,214	\$7.32	\$11.64
51-9195	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9196	Tire Builders	410	410	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$30,728	\$11.94	\$16.19
51-9197	Helpers--Production Workers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
51-9198	Production Workers, All Other	1,100	1,110	10	0.91%	10	30	40	Short-term on-the-job training	\$21,838	\$8.45	\$11.52
51-9199	Transportation and Material Moving Occupations	450	450	0	0.00%	<5	10	10	Moderate-term on-the-job training	\$27,474	\$8.05	\$15.79
53-0000	Aircraft Cargo Handling Supervisors	14,890	15,180	290	1.95%	150	340	490		\$26,349	\$7.98	\$15.01
53-1011	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	*	*	*	*	10	<5	10	Work experience in a related occupation			
53-1021	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	290	300	10	3.45%	10	10	20	Work experience in a related occupation	\$38,925	\$13.29	\$21.42
53-1031	Airline Pilots, Copilots, and Flight Engineers	310	320	10	3.23%	10	10	20	Work experience in a related occupation	\$50,281	\$14.57	\$28.97
53-2011		*	*	*	*	<5	<5	<5	Bachelor's degree			

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53-2012	Commercial Pilots	20	20	0	0.00%	<5	<5	<5	Postsecondary vocational training	\$38,640		
53-2021	Air Traffic Controllers	10	10	0	0.00%	<5	<5	<5	Bachelor's degree			
53-2022	Airfield Operations Specialists	*	*	*	*	<5	<5	<5	Long-term on-the-job training			
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-3021	Bus Drivers, Transit and Intercity	210	220	10	4.76%	10	10	20	Moderate-term on-the-job training	\$29,013	\$10.99	\$15.43
53-3022	Bus Drivers, School	600	620	20	3.33%	10	10	20	Short-term on-the-job training	\$24,881	\$7.62	\$14.13
53-3031	Driver/Sales Workers	480	490	10	2.08%	10	10	20	Short-term on-the-job training	\$21,788	\$7.20	\$12.11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3,190	3,270	80	2.51%	40	50	90	Moderate-term on-the-job training	\$33,006	\$11.85	\$17.88
53-3033	Truck Drivers, Light or Delivery Services	1,450	1,490	40	2.76%	20	10	30	Short-term on-the-job training	\$24,239	\$7.68	\$13.64
53-3041	Taxi Drivers and Chauffeurs	230	240	10	4.35%	10	<5	10	Short-term on-the-job training	\$18,178	\$6.02	\$10.10
53-3099	Motor Vehicle Operators, All Other	70	80	10	14.29%	10	<5	10	Short-term on-the-job training	\$14,090	\$5.82	\$7.25
53-4099	Rail Transportation Workers, All Other	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-5011	Sailors and Marine Oilers	0	0	0	NA	<5	<5	<5	Short-term on-the-job training			
53-5021	Captains, Mates, and Pilots of Water Vessels	0	0	0	NA	<5	<5	<5	Work experience in a related occupation			
53-6011	Bridge and Lock Tenders	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6021	Parking Lot Attendants	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$23,709	\$9.13	\$12.53
53-6031	Service Station Attendants	80	80	0	0.00%	<5	10	10	Short-term on-the-job training	\$17,274	\$6.50	\$9.21
53-6041	Traffic Technicians	*	*	*	*	<5	<5	<5	Short-term on-the-job training			
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work experience in a related occupation			
53-6099	Transportation Workers, All Other	*	*	*	*	10	<5	10	Short-term on-the-job training			
53-7011	Conveyor Operators and Tenders	60	60	0	0.00%	<5	<5	<5	Short-term on-the-job training	\$20,958	\$6.77	\$11.73
53-7021	Crane and Tower Operators	30	30	0	0.00%	<5	<5	<5	Long-term on-the-job training	\$36,450	\$12.89	\$19.84
53-7031	Dredge Operators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7032	Excavating and Loading Machine and Dragline Operators	40	40	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$42,730	\$15.05	\$23.29
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7041	Hoist and Winch Operators	0	0	0	NA	<5	<5	<5	Moderate-term on-the-job training			
53-7051	Industrial Truck and Tractor Operators	1,370	1,390	20	1.46%	10	30	40	Short-term on-the-job training	\$27,927	\$10.17	\$15.05
53-7061	Cleaners of Vehicles and Equipment	500	510	10	2.00%	10	20	30	Short-term on-the-job training	\$19,746	\$6.95	\$10.77
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	3,710	3,750	40	1.08%	20	140	160	Short-term on-the-job training	\$20,990	\$7.08	\$11.60
53-7063	Machine Feeders and Offbearers	230	220	-10	-4.35%	<5	10	10	Short-term on-the-job training	\$21,697	\$9.14	\$11.08
53-7064	Packers and Packagers, Hand	1,590	1,610	20	1.26%	10	30	40	Short-term on-the-job training	\$21,402	\$7.24	\$11.81
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7081	Refuse and Recyclable Material Collectors	140	150	10	7.14%	10	<5	10	Short-term on-the-job training	\$23,743	\$8.97	\$12.64
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training			
53-7199	Material Moving Workers, All Other	110	110	0	0.00%	<5	<5	<5	Moderate-term on-the-job training	\$30,052	\$10.35	\$16.50

Footnotes:

- (1) **Employment** is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include jobs among self-employed and unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

SOC Code	Occupational Title	Estimated Employment ⁽¹⁾				Annual Openings			Typical Education/Training Path ⁽⁴⁾	Estimated Salary and Wages		
		2005	2007	Change	% Change	New Jobs	Replacements ⁽²⁾	Total ⁽³⁾		Avg Ann Salary ⁽⁵⁾	Entry Level Wage ⁽⁶⁾	Experienced Wage ⁽⁷⁾

Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.

Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

Associate Degree: This degree requires two years of full-time academic work beyond high school.

Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.

Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.

Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.

First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.

Bachelor's or higher degree, plus work experience: These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

- (5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) **Entry Level Wage** is the average of the lower third of wages.
- (7) **Experienced Wage** is the average of the upper two-thirds of wages.
- (8) Either a bachelor's or an associate degree are accepted in this occupations. It depends on the specifics of the position and the employer.

Information is derived using the 2005 OES Survey, 2005 QCEW and 2005 CES (3/05 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy during 2006 and 2007. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development
August 2006

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